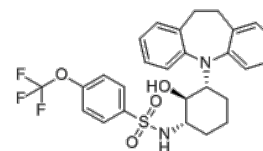


**Product Name** : DBK-1154  
**Cat. No.** : PC-62749  
**CAS No.** : 1809068-70-9  
**Molecular Formula** : C<sub>27</sub>H<sub>27</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 532.578  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

SMAP-2 (DT-1154, DBK1154) is an orally bioavailable small molecule activator of **PP2A**, binds to PP2A A $\alpha$  scaffold subunit and inhibits KRAS-driven tumor growth both in vitro and in vivo.

SMAP-2 (DT-1154, DBK1154) decreases cellular viability and clonogenicity and induces apoptosis in castrate-resistant prostate cancer (CRPC) cells.

SMAP-2 (DT-1154, DBK1154) significantly changes the phosphoproteome, including dephosphorylation of full-length and truncated isoforms of the AR and downregulation of its regulatory kinases.

SMAP-2 (DT-1154, DBK1154) exhibits efficacy comparable to enzalutamide in vivo.

## References

Sangodkar J, et al. *J Clin Invest*. 2017 Jun 1;127(6):2081-2090.

McClinch K, et al. *Cancer Res*. 2018 Jan 22. pii: canres.0123.2017.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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